

PATENT

Attorney Docket No. A-71183/DJB/VEJ  
Application No. 10/009,325*In the Claims:*

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Cancelled, without prejudice or disclaimer)
2. (Currently amended) A solid oxide fuel cell system [[eomponent]] according to claim [[1]] 13, wherein the alloy [[which]] contains no more than about 8.5 wt% Al.
3. (Currently amended) A solid oxide fuel cell system [[eomponent]] according to claim [[1]] 13, wherein the alloy [[which]] contains less than 0.05 wt% Mn.
4. (Currently amended) A solid oxide fuel cell system [[eomponent]] according to claim [[1]] 13, wherein the alloy has a composition, in wt%, of:

Al	$6.0 \pm 1.0$
Si	$1.0 \pm 0.5$
C	0.005 - 0.02
P	$\leq 0.04$
S	$\leq 0.04$
Cr	$\leq 0.10$
(Al + Si) = 6.5 to 7.5	

Residue Fe, excluding incidental impurities.

5. (Currently amended) A solid oxide fuel cell system [[eomponent]] according to claim [[1]] 13, wherein the alloy contains no Cr.

6. (Cancelled, without prejudice or disclaimer)

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7. (Currently amended) A solid oxide fuel cell system [[eemponent]] according to claim [[6]] 13, wherein the  $\text{Al}_2\text{O}_3$  surface layer on the component has a thickness in the range of from about 1 to about 10 microns.

8. (Currently amended) A solid oxide fuel cell system [[eemponent]] according to claim [[+]] 13, wherein source material for the alloy at least includes scrap metal.

9. (Currently amended) A solid oxide fuel cell system [[eemponent]] according to claim [[+]] 13, wherein the component [[which]] is a gas separator disposed [[or adapted to be disposed]] between adjacent fuel cells in the system.

10. (Currently amended) A solid oxide fuel cell system [[eemponent]] according to claim [[+]] 13, wherein the [[which is a]] component is selected from the group consisting of a manifold, a base plate, a current collector strap, ducting, a heat exchanger and a heat exchanger plate, [[disposed or adapted to be disposed in the solid oxide fuel cell system.]]

11. (Cancelled, without prejudice or disclaimer)

12. (Currently amended) A solid oxide fuel cell system [[eemponent]] according to claim [[6]] 13, wherein the  $\text{Al}_2\text{O}_3$  surface layer on the component has a thickness in the range of from about 1 to about 3 microns.

13. (Currently amended) A solid oxide fuel cell system comprising a solid oxide fuel cell system component which is adapted to be exposed to an oxidising atmosphere in the fuel cell system at a temperature in excess of  $750^\circ\text{C}$  and which is formed of a heat resistant alloy having a composition, in wt%, of:

Al	5.0-10.0
Si	0.1-3.8
Mn	$\leq$ 0.5

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Cu       $\leq$     0.23  
Ni       $\leq$     0.61  
C         $\leq$     0.02  
P         $\leq$     0.04  
S         $\leq$     0.04  
Cr      <    5.0,

Residue Fe, excluding incidental impurities, and  
wherein the component has a surface layer of Al<sub>2</sub>O<sub>3</sub>.

14. (New) A solid oxide fuel cell system according to claim 13, wherein the Al<sub>2</sub>O<sub>3</sub> surface layer or the component is formed by exposure of a surface of the component to oxidising atmosphere at elevated temperatures.